

What is claimed is:

1. A data transmitting and receiving system comprising:
  - a data transmitting device;
  - a data receiving device being connected to said data transmitting device; and

wherein data is transmitted and received between said data transmitting device and said data receiving device and wherein said data transmitting device is provided with a first transmitting section used to periodically and sequentially transmit a plurality of split data obtained by splitting data to be transmitted, to said data receiving device and with a second transmitting section used to transmit said split data, when said data receiving device was unable to receive said split data sent from said first transmitting section, to said data receiving device, during a period of time between transmitting time bands in which said first transmitting section transmits said split data.

2. The data transmitting and receiving system according to Claim 1, wherein said first transmitting section transfers said split data in accordance with isochronous transfer specifications designated by Universal Serial Bus (USB) standards and said second transmitting section transmits said split data that said data receiving device was unable to receive, in accordance with bulk transfer specifications designated by said USB standards.

3. The data transmitting and receiving system according to Claim 2, wherein said first transmitting section, after having transmitted said split data to said data receiving device in accordance with interrupt transfer specifications designated by said USB standards, prior to said first

transmitting section's transmission of split data existing subsequent to said split data, makes an inquiry of said data receiving device as to whether said data receiving device was able to receive said split data transmitted by said first transmitting section.

4. The data transmitting and receiving system according to Claim 3, wherein said data receiving device, in response to said inquiry from said first transmitting section as to whether said data receiving device was able to receive said split data transmitted by said first transmitting section in said data transmitting device in accordance with interrupt transfer specifications, notifies said first transmitting section as to whether said data receiving device was able to receive said split data, in accordance with said interrupt transfer specifications.

5. The data transmitting and receiving system according to Claim 4, wherein said data transmitting device stores information about location of split data to be stored that said data receiving device was unable to receive.

6. The data transmitting and receiving system according to Claim 4, wherein said second transmitting section, when said first transmitting section has received a notification that said data receiving device was unable to receive said split data, transmits, in accordance with said bulk transfer specifications, said split data that said data receiving device was unable to receive, to said data receiving device.

7. The data transmitting and receiving system according to Claim 2, wherein said second transmitting section transmits said split data that said

data receiving device was unable to receive, in the order in which said first transmitting section transmitted said split data.

8. The data transmitting and receiving system according to Claim 2, wherein said second transmitting section, when said data receiving device was unable to receive split data transmitted by said second transmitting section in accordance with said bulk transfer specifications, re-transmits said split data that said data receiving device was unable to receive, in accordance with said bulk transfer specifications.

9. The data transmitting and receiving system according to Claim 1, wherein said data receiving device stores information about location of missed split data said data receiving device was unable to receive.

10. The data transmitting and receiving system according to Claim 1, wherein said data receiving device is a printing system and wherein said first transmitting section and second transmitting section transmit split data produced by splitting printing data to be printed by said printing system in a form of said split data.

11. A data transmitting and receiving system comprising a unit used to sequentially and periodically transmit a plurality of split data obtained by splitting data to be sent and to non-periodically transmit split data out of said split data that was not received normally.

12. The data transmitting and receiving system according to Claim 11, comprising a data transmitting device and a data receiving device being

connected to said data transmitting device, wherein said data transmitting device is provided with a transmitting portion used to transmit data to said data receiving device and a receiving portion used to receive data from said data receiving device and wherein said transmitting portion has a first transmitting section to periodically transmit said split data and a second transmitting section to non-periodically transmit split data, out of said split data fed from said first transmitting section, which said data receiving device was unable to receive normally.

13. The data transmitting and receiving system according to Claim 12, wherein said second transmitting section performs said transmission of data to said data receiving device during a period of time between transmitting time bands in which said first transmitting section transmits said data.
14. A data receiving device comprising a unit used to sequentially and periodically receive a plurality of split data obtained by splitting data to be received and to non-periodically receive split data out of said split data that was not received normally.
15. The data receiving device according to Claim 14, comprising a transmitting portion used to transmit data to a data transmitting device and a receiving portion used to receive data from said data transmitting device and wherein said receiving portion has a first receiving section to periodically receive said split data and a second receiving section to non-periodically receive split data, out of said split data fed from said data transmitting device, which said first receiving section was unable to receive normally.

16. The data receiving device according to Claim 15, wherein said second receiving section performs said receiving of data from said data transmitting device during a period of time between receiving time bands in which said first receiving section receives said data.